

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730915

Luminaire Tested: **HBLED-LD5-30SE-W-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-CL-UNV-L850
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28836.0 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

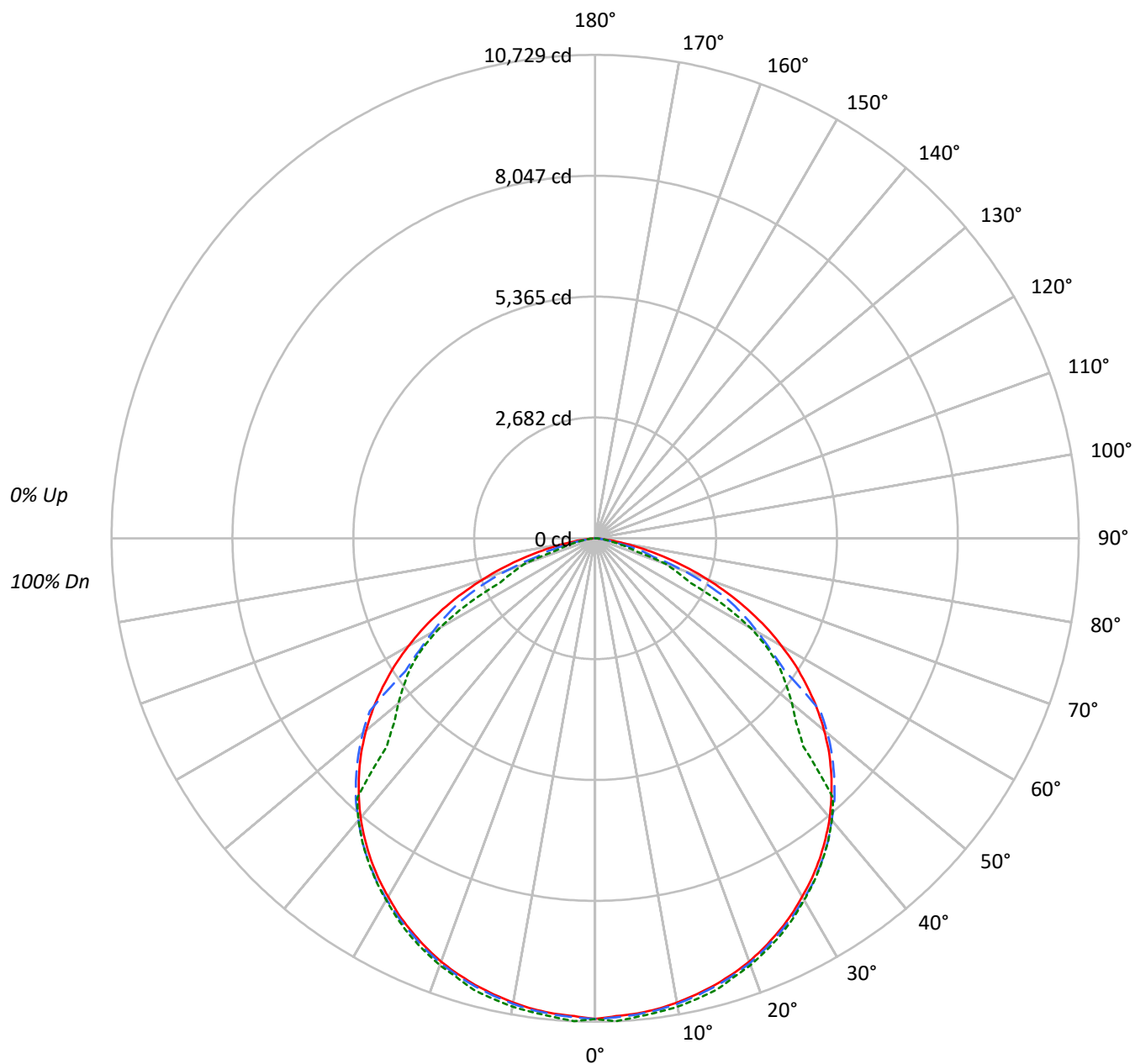
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17222	17222	17222
5°	17159	17197	17281
10°	17157	17206	17306
15°	17156	17208	17347
20°	17178	17242	17323
25°	17158	17223	17327
30°	17126	17252	17290
35°	17118	17274	17286
40°	17064	17215	17215
45°	16918	17123	14919
50°	16657	16908	14315
55°	16184	14473	14060
60°	15425	13454	12845
65°	14265	12489	8896
70°	12421	9718	7927
75°	9812	6522	4261
80°	6315	3115	2656
85°	2599	1901	2092



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1011.8	3.5
10°-20°	2916.3	10.1
20°-30°	4471.2	15.5
30°-40°	5480.1	19.0
40°-50°	5634.0	19.5
50°-60°	4808.4	16.7
60°-70°	3178.9	11.0
70°-80°	1177.7	4.1
80°-90°	157.5	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8399.3	29.1
0°-40°	13879.5	48.1
0°-60°	24321.9	84.3
0°-90°	28836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10666	10666	10666	10666	10666	
5°	10587	10661	10610	10652	10662	###
15°	10264	10326	10295	10373	10378	2899
25°	9631	9682	9668	9755	9726	4441
35°	8684	8744	8764	8818	8770	5432
45°	7409	7483	7499	7487	6534	5710
55°	5749	5855	5142	4992	4995	5130
65°	3734	3765	3269	2688	2329	3682
75°	1573	1378	1046	703	683	1687
85°	140	100	103	112	113	232
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10666.3	10666.3	10666.3	10666.3	10666.3
2.5°	10614.4	10680.7	10641.6	10690.9	10728.6
5°	10587.1	10661.1	10610.4	10652.0	10662.4
7.5°	10540.4	10609.1	10562.4	10617.0	10609.1
10°	10465.1	10527.3	10494.9	10552.1	10555.9
12.5°	10368.9	10431.2	10401.4	10471.5	10470.2
15°	10263.7	10326.1	10294.8	10372.8	10378.1
17.5°	10140.3	10197.5	10174.1	10245.6	10216.9
20°	9997.4	10046.8	10035.1	10102.7	10081.8
22.5°	9822.1	9872.8	9861.2	9939.1	9907.8
25°	9631.3	9681.9	9667.6	9754.6	9726.1
27.5°	9424.8	9472.7	9471.4	9553.4	9509.2
30°	9185.8	9249.5	9253.4	9326.1	9274.1
32.5°	8949.5	9009.1	9026.1	9079.4	9035.2
35°	8684.5	8744.2	8763.7	8818.3	8770.2
37.5°	8398.7	8449.4	8484.4	8524.7	8487.1
40°	8096.1	8141.6	8167.7	8216.9	8167.7
42.5°	7758.5	7823.5	7859.8	7894.9	7814.4
45°	7409.1	7483.1	7498.8	7487.0	6533.8
47.5°	7039.1	7119.6	7128.7	6217.0	6041.7
50°	6631.2	6732.6	6731.3	5745.4	5698.8
52.5°	6206.6	6304.0	6300.1	5376.7	5345.5
55°	5749.3	5854.6	5141.5	4992.3	4994.9
57.5°	5283.1	5358.4	4613.1	4619.5	4533.7
60°	4776.7	4848.1	4166.3	4126.0	3977.9
62.5°	4268.9	4298.8	3733.8	3537.6	3255.9
65°	3733.8	3764.9	3268.9	2688.3	2328.6
67.5°	3184.5	3215.6	2713.0	2000.0	1972.7
70°	2631.2	2376.6	2058.5	1666.3	1679.2
72.5°	2085.7	1826.0	1345.5	1290.9	932.4
75°	1572.8	1377.9	1045.5	702.6	683.1
77.5°	1094.8	949.3	559.7	479.2	448.1
80°	679.2	476.6	335.0	297.4	285.7
82.5°	344.2	274.1	181.8	181.8	181.8
85°	140.3	100.0	102.6	111.6	112.9
87.5°	29.8	40.3	49.4	50.7	49.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)